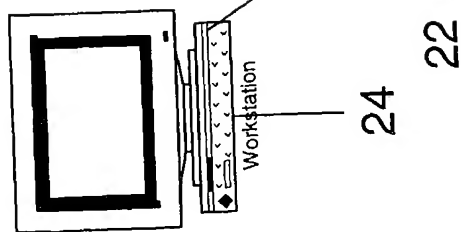


FIG. 1



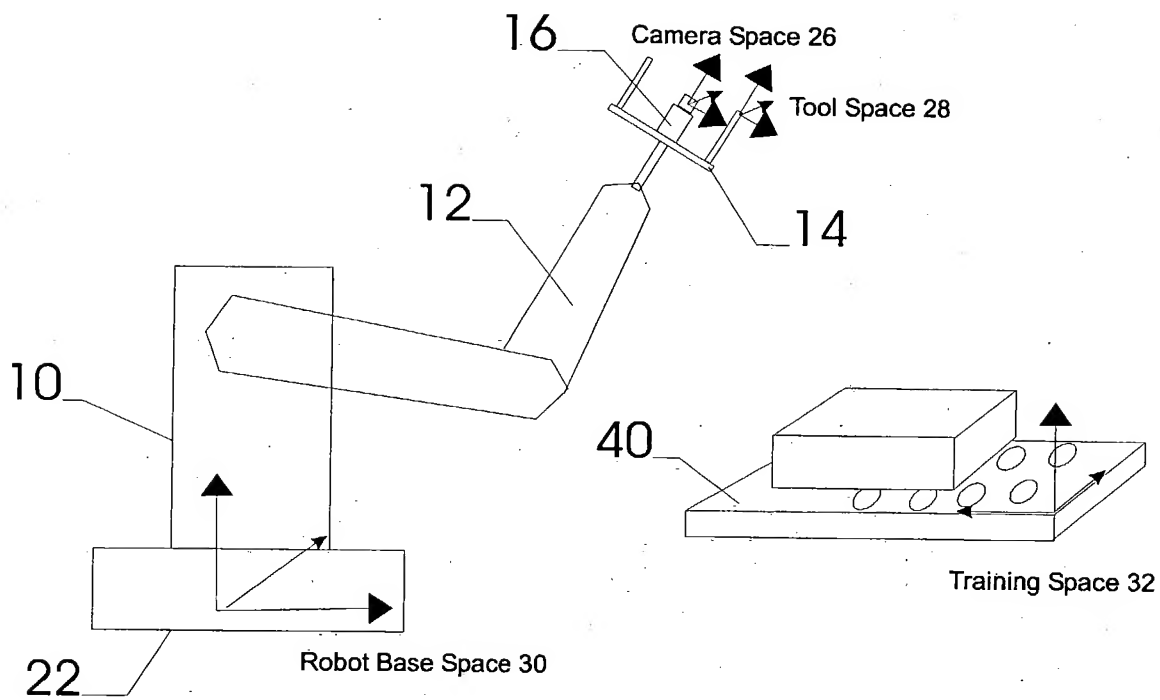
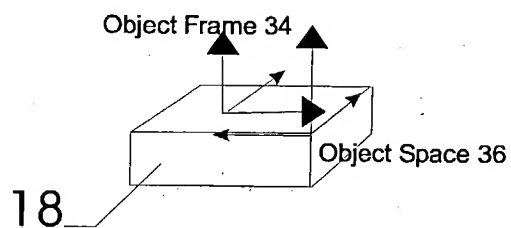
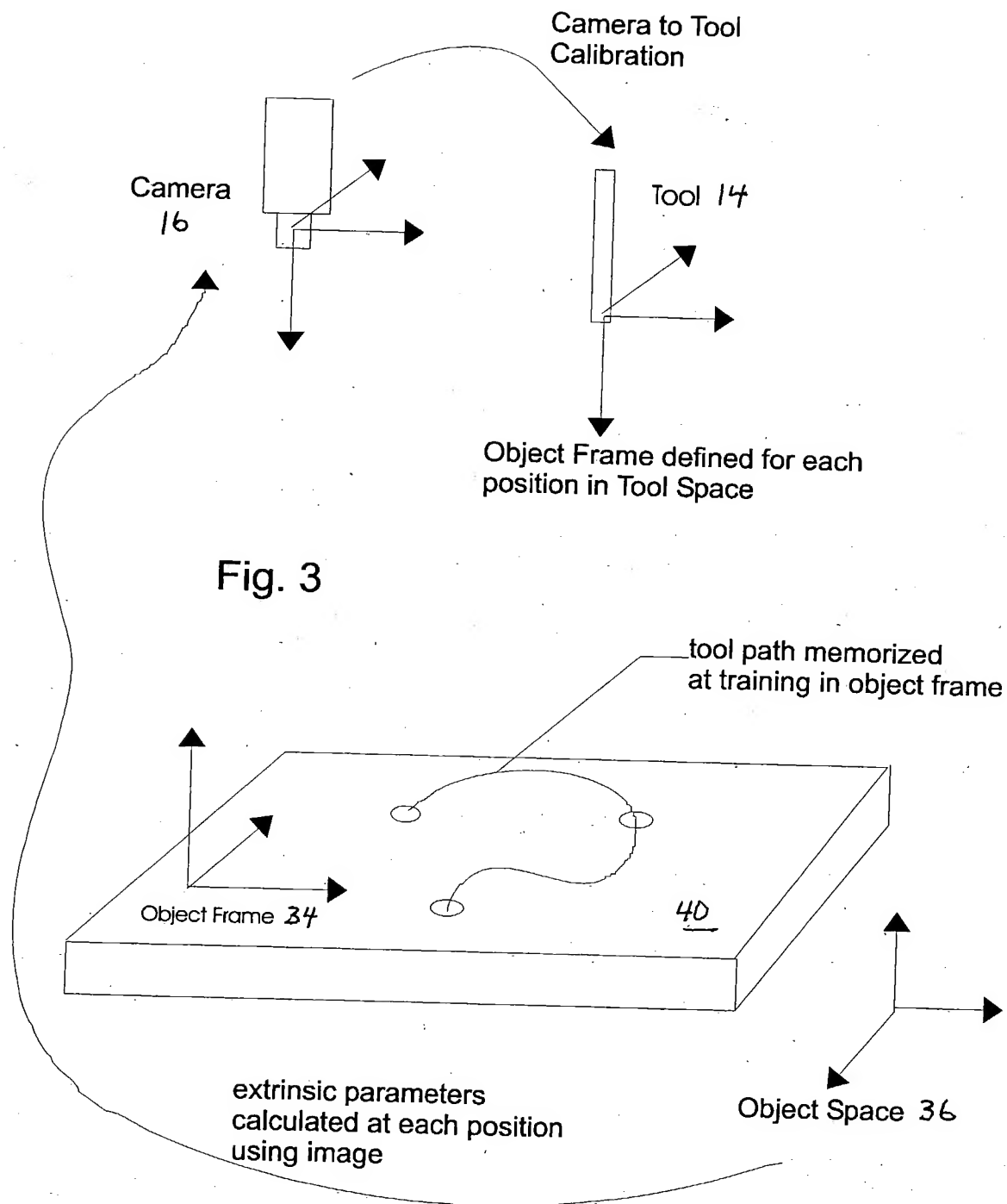


Fig. 2





52



Calibration of the camera mounted on the robot arm

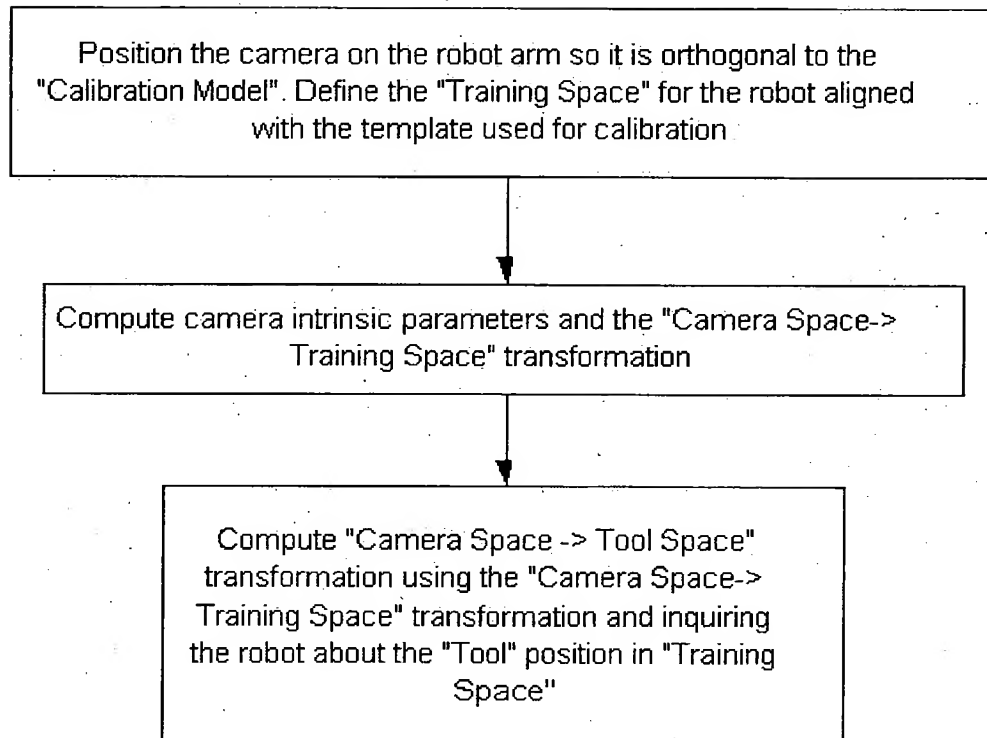


FIG. 5

Teaching The Object Features & Robot Operation Path

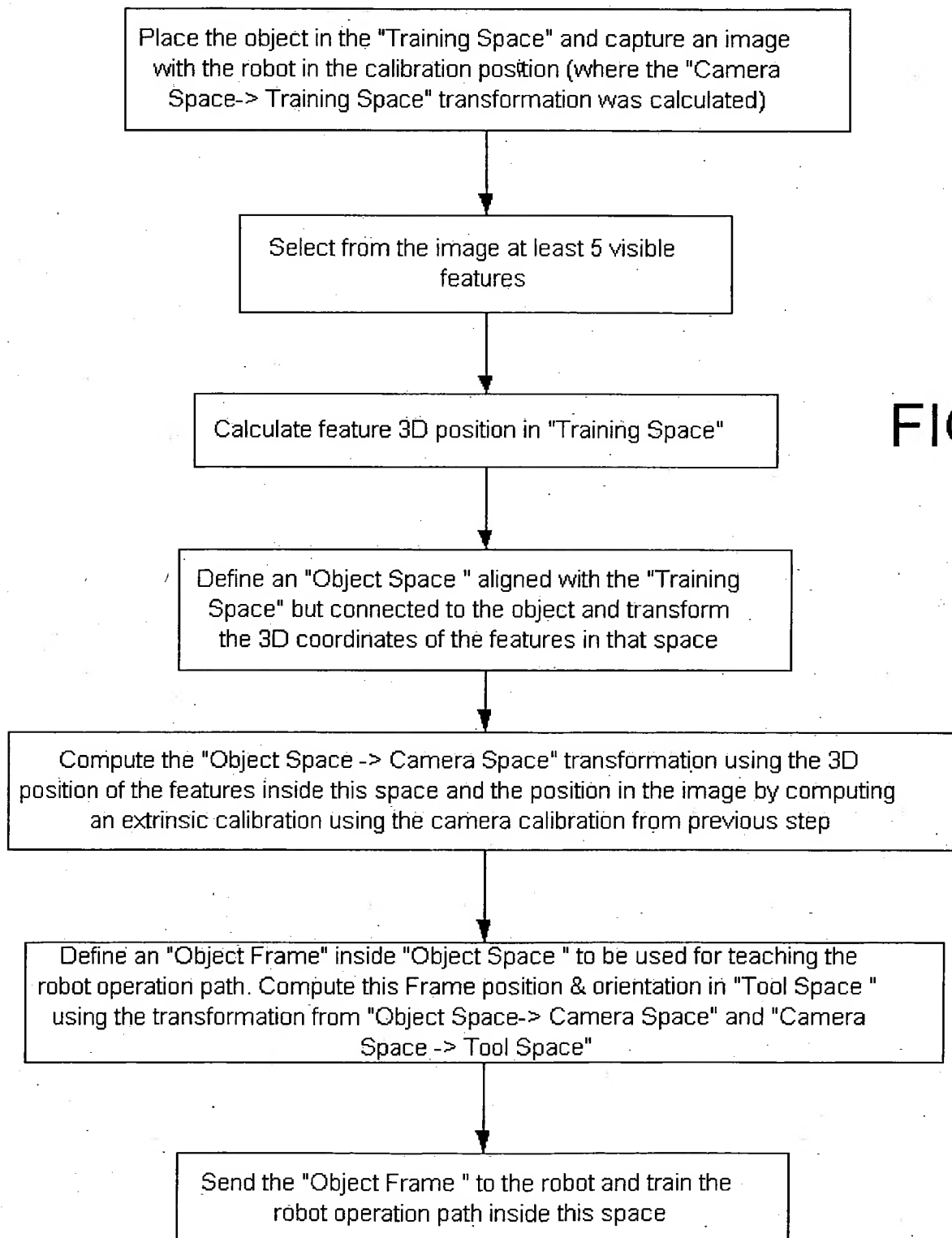


FIG. 6

Object Positioning and Robot Guidance

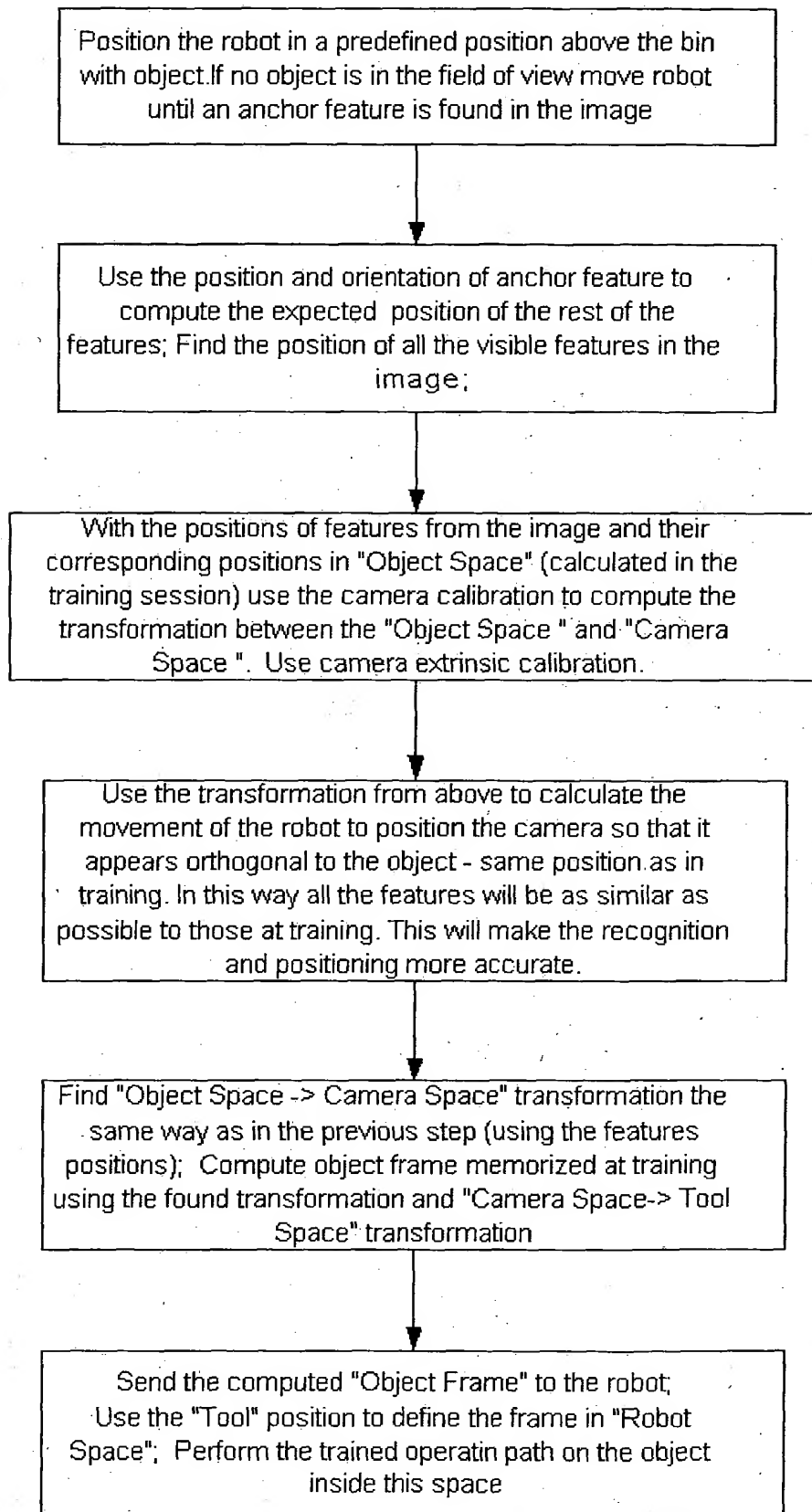


FIG. 7